

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: Toshiyuki HIROTA

Title: ELECTRONIC APPARATUS  
HAVING AN ANTENNA WITH  
VARIABLE DIELECTRIC TO  
OPTIMIZE RADIO  
COMMUNICATIONS AT  
DIFFERENT FREQUENCIES

Appl. No.: Unassigned

Filing Date: CONCURRENTLY HEREWITH

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR § 1.56**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form SB/O8 is a listing of a document documents known to Applicants in order to comply with Applicant's duty of disclosure pursuant to 37 CFR § 1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR § 1.97 and § 1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR § 1.56(b). Applicant does Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

### **TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

### **RELEVANCE OF EACH DOCUMENT**

Except for document A9, the remaining documents listed on the attached SB/08 form were cited as being relevant during the prosecution of the corresponding PCT application. A copy of the Search Report is attached setting forth the portion of each document considered relevant by the examiner. An English-language abstract of the foreign-language documents has been provided where readily available. The absence of a translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 CFR § 1.98 and MPEP§609). As to reference A9, the relevance of this reference is discussed in the specification.

A translation of the relevant portion of the search report indicating the sections of the references considered relevant by the examiner is set forth in the following table.

Category	Reference numbers	Relevant portion
Y	JP 2002-232319	P.6, Right Col. L. 31-P.7 Left Col. L.28, and FIGs. 5-6
Y	JP 5-003409	All
Y	JP 11-136023	All
A	JP 9-69717	All description, and FIGs. 1-2
A	JP 2001-345626	All
A	JP 9-162632	All
A	JP 4-330806	All
A	JP 2003-037416	All
A	JP 2002-190708	All

Note: "JP" is an abbreviation of Japanese Patent Application Publication (KOKAI).

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date February 10, 2004

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By 

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: February 10, 2004 <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	Unassigned
				Filing Date	CONCURRENTLY HEREWITH
				First Named Inventor	Toshiyuki HIROTA
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	1	Attorney Docket Number	026304-0210

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A1	JP	2002-232319		FUJITSU LTD	08-16-2002		
	A2	JP	05-003409		MATSUSHITA ELECTRIC WORKS LTD	01-08-1993		
	A3	JP	11-136023		NEC CORP	05-21-1999		
	A4	JP	09-069717		MURATA MFG CO LTD	03-11-197		
	A5	JP	2001-345626		MITSUMI ELECTRIC CO LTD	12-14-2001		
	A6	JP	09-162632		FUJITSU LTD	06-20-1997		
	A7	JP	04-330806		FUJITSU LTD, FURUKAWA ELECTRIC CO LTD	11-18-1992		
	A8	JP	2003-037416		TOSHIBA CORP	02-07-2003		
	A9	JP	2002-190708		MATSUSHITA ELECTRIC IND CO LTD	07-05-2002		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.